

**IN THE CLAIMS:**

Please rewrite Claims 1 and 3 in the following manner. The amendments to Claims 1 and 3 are indicated in the attached Appendix.

A4  
1. (AMENDED) An isolated nucleic acid molecule comprising a coding sequence for an immunogenic *C. parvum* polypeptide selected from the group consisting of a *C. parvum* antigenic polypeptide 2 (AG2), or a fragment of said nucleic acid molecule comprising at least 15 nucleotides.

A5  
3. (AMENDED) The nucleic acid molecule of claim 1 wherein said molecule comprises a nucleotide sequence having at least 80% identity to the nucleotide sequence shown at nucleotide positions 9-587, inclusive, of Figure 2A (SEQ ID NO: 3), or a fragment thereof comprising at least about 15 nucleotides.

**SEQUENCE LISTING:**

Please amend the application by inserting the Substitute Sequence Listing paper copy (pages 1-5) submitted herewith following the Abstract.

**REMARKS**

**Introductory Comments:**

Claims 1-31 are pending; claims 2, 5, and 9-31 have been withdrawn. Claims 1, 3, 4, and 6-8 have been examined. The rejections under 35 U.S.C. §112 and §102 are believed to be overcome by the claim amendments and are otherwise traversed for reasons discussed below.

**Overview of Claim Amendments:**

Claims 1 and 3 have been amended in order to recite the subject invention with greater particularity. Claim 1 has been amended to remove reference to the non-elected species, AG1. Claim 3 has been amended to remove the term "about" and correct an error in the figure number.

The above amendments are made without intent to abandon any originally claimed subject matter, and without intent to acquiesce in any rejection of record. Entry thereof is respectfully requested.

**Specification**

The foregoing amendments to the specification are made to incorporate the substitute Sequence Listing into the application. The substitute sequence listing corrects numerical errors